

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐NAME OF COMPANY OR OPERATOR Reese Exploration, Inc. DATE Dec. 24, 1981
P. O. Box 11598 Kansas City, Mo. 64138

Address

City

State

DESCRIPTION OF WELL AND LEASE

Name of lease <u>Bisbee</u>	Well number <u>1</u>	Elevation (ground) <u>770</u>
WELL LOCATION (give footage from section lines) <u>754.05</u> ft. from (N) <input checked="" type="checkbox"/> sec. line <u>1434.</u> ft. from (E) (W) sec. line		
WELL LOCATION Section <u>12</u> Township <u>52</u> Range <u>30</u>		County <u>Clay</u>
Nearest distance from proposed location to property or lease line: <u>361.9</u> feet		Distance from proposed location to nearest drilling, completed or applied - for well on the same lease: <u>none</u> feet
Proposed depth: <u>1000 ft.</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>Dec. 29, 1981</u>
Number of acres in lease: <u>22</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>1</u> Number of abandoned wells on lease: <u>0</u>	
If lease, purchased with one or more wells drilled: Name <u>None</u> Address _____	No. of Wells: producing <u>0</u> inactive <u>0</u> abandoned <u>0</u>	
Status of Bond Single Well <input type="checkbox"/> Amt. _____ Blanket Bond <input checked="" type="checkbox"/> Amt. <u>20,000.00</u> <input checked="" type="checkbox"/> ON FILE <input type="checkbox"/> ATTACHED		
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone) use back of form if needed.		
Proposed casing program: amt. size wt./ft. cem. <u>surface</u> <u>7"</u> <u>8"</u> <u>to surf.</u> <u>to line</u> <u>tubing</u> <u>4"</u> <u>4.7</u> <u>to surf.</u> <u>to surf.</u>		Approved casing - To be filled in by State Geologist amt. size wt./ft. cem. _____ _____ _____ _____
I, the undersigned, state that I am the _____ of the _____ (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge. Signature <u>L. J. Reese</u>		

Permit Number: 20006☐ SAMPLES REQUIRED

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Approval Date: Dec. 24, 1981☐ SAMPLES NOT REQUIRED

DEC 28 1981

Approved By: Bruce Netzler (phone) Wallace B. Howard

Note: This Permit not transferable to any other person or to any other location.

WATER SAMPLES REQUIRED ☐ MO. OIL & GAS COUNCILRemit two copies to: Missouri Oil and Gas Council
P.O. Box 250 Rolla, Mo. 65401
One will be returned for driller's signature

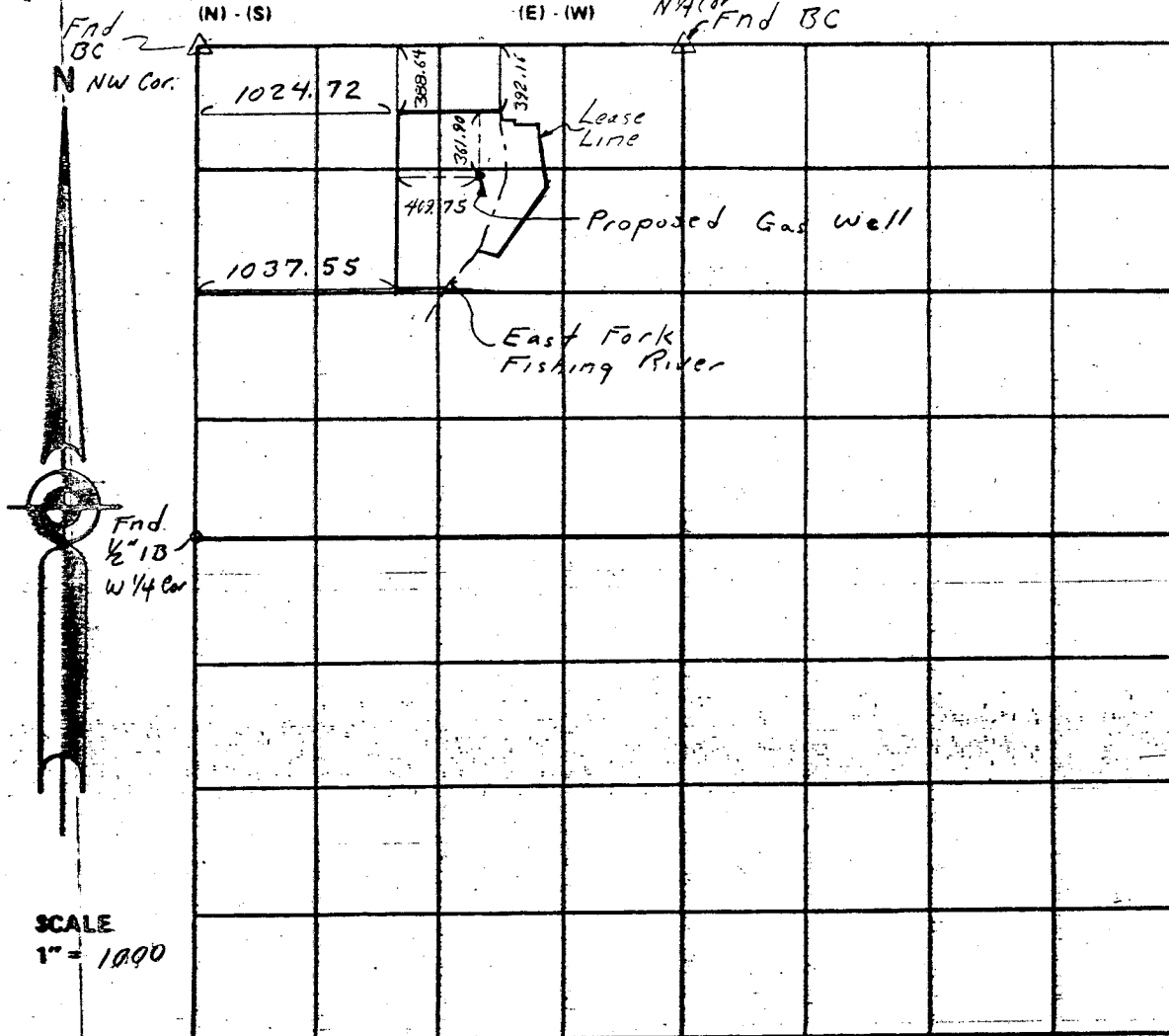
Approval of this permit by the Oil and Gas Council does not constitute endorsement of the geologic merits of the proposed well nor endorsement of the qualifications of the permittee.

MISSOURI OIL AND GAS COUNCIL
WELL LOCATION PLAT

Form OGC-4

Owner: The Elms of Excelsior Springs Inc.

Lease Name: _____ County: Clay
_____ feet from _____ line and _____ feet from _____ line
(N) - (S) (E) - (W) of Sec. 12, Twp. 52 N, Range 30



REMARKS: _____

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INSTRUCTIONS.

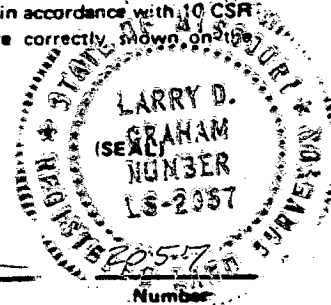
On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements.

This is to Certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

Remit two copies to: Missouri Oil and Gas Council
P.O. Box 250, Rolla, Mo. 65401

One will be returned.

Larry D. Graham
Registered Land Surveyor



WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

New Well ☒ Workover ☐ Deepen ☐ Plug Back ☐ Injection ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☐

Owner Robert L. Bisbee ⁸¹⁶⁻⁴⁷¹⁻⁷²⁰⁰		Address 8128 NW Beaman	
Lease Name Elms Hotel		Well Number 1	
Location Excelsior Spgs. Mo.		Sec., Twp., and Range or Block and Survey 12-52-30	
County Clay	Permit number (OGC 3 or OGC 31) 20006		
Date spudded 12-28-81	Date total depth reached 1-5-82	Date completed, ready to produce or inject 2-13-82	Elevation of R.O.B. or Gr. feet approx 756'
Total depth 1362'	P. B. T. D.		
Producing or injection interval(s) for this completion		Rotary tools used (interval) From 0 to 1362'	Cable tools used (interval) From to
Was this well directionally drilled? no	Was directional survey made?	Was copy of directional survey filed?	Date filed
Type of electrical or other logs run (list logs filed with the State Geologist) Elect. log and Gamma Ray Neutron			Date filed

CASING RECORD

Casing (report all strings set in well -- conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
surface	8-5/8	7"	17#	60	20	none
casing	5-3/4	4"	12	1300	175	none

TUBING RECORD

LINER RECORD

Size	in.	Depth set	ft.	Packer set at	ft.	Size	in.	Top	ft.	Bottom	ft.	Sacks cement	Screen (ft.)
2"		1300		none									

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amount and kind of material used	Depth Interval
2	3-1/8 DJH	1234' - 1237'		

INITIAL PRODUCTION

Date of first production or injection		Producing method (indicate if flowing, gas lift, or pumping -- if pumping, show size and type of pump) pumping					
Date of test 4-82	Hrs. tested 24	Choke size	Oil produced during test 0 bbls.	Gas produced during test 0 MCF	Water produced during test 1028 bbls.	Oil gravity API (Corr.)	
Tubing pressure none	Casing pressure none	Cal'd rate of Production per 24 hours	Oil bbls.	Gas MCF	Water bbls.	Gas -- oil ratio	

Disposition of gas (state whether vented, used for fuel or sold):

n/a

Method of disposal of mud pit contents:

pumped and back-filled

CERTIFICATE: I, the undersigned, state that I am the owner of the Elms Hotel (company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

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Signature

Robert L. Bisbee

DETAIL OF FORMATIONS PENETRATED			
Formation	Top	Bottom	Description (See * below)
See attached Well logs and analysis			

*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS

Attach drillers log or other acceptable log of well. Submit analysis of injection interval formation waters.

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MISSOURI OIL AND GAS COUNCIL

MO. OIL & GAS COUNCIL

Form OGC-8

WELL CONVERSION AGREEMENT

This agreement is made this _____ day of _____, 19____, between
Mr. Reese of Reese Exploration, Inc.,
owner of the following described well or test hole, hereinafter called "operator," and
Mr. Robert L. Bisbee of 1600 Dora - Kansas City, Missouri 64106,
owner of ~~surface~~^{mineral} rights to the land on which the following described well or test hole is situated,
hereinafter called "landowner."

WHEREAS operator has drilled or has caused to be drilled a test well for oil and gas, or has operated
a producing well, which well is known as Bisbee #1 and is
located 754.05 FNL 1434 FWL SEC 12/T52N, R30 W,
Clay County, Missouri.

WHEREAS operator desires to plug and abandon said well or test hole in a manner approved by the
Missouri Oil and Gas Council;

WHEREAS landowner desires to employ said well or test hole as a source of potable water for the
beneficial use of himself or himself and others;

NOW THEREFORE, it is agreed that operator shall plug the hole in accordance with the rules,
regulations and instructions of the Missouri Oil and Gas Council except that no plug shall be set at
the surface in said well or test hole nor shall surface pipe be cut off below plow depth, thus facili-
tating the use of the well or test hole as a water source well.

Landowner hereby acknowledges that the operator will be released by the Missouri Oil and Gas
Council from future liability for further plugging which may be required by the Council and
accepts full responsibility for the operation of the well or test hole as a water well and for the
proper plugging and abandonment thereof when its use for this purpose has ended.

Patricia Eickman
Witness

L J Reese
Operator Mr Reese

Patricia Eickman
Witness

Robert L Bisbee
Landowner Robert L. Bisbee

This agreement must be filed with the Council along with Form OGC-7, "Plugging Record."

TABLE 1: Apparent Waterbearing Zones; Potent. Hydrocarbons noted, Potential rated

Name, Type Formation	Geologic Series	Depth Interval	Perforate Interval	Apparent Salinity	Nat. Gas Potential	H ₂ O yield Potential	Remarks
Simpson ss. (St. Peter)	Ordovician	1224-1360	1224-30	Low	Fair	Very high (10+ gpm)	Top of this thick ss - porous dol. section may hold gas; low salinity?
Reed Springs ls.	Mississipp'n	840- 858	846-50	Low-med	Poor	Moderate (5-10 gpm)	A secondary choice to perforate & test.
St. Louis ls.dol.	"	648- 666	648-52	Low-med	Poor	Moderate	Likewise secondary.
Burgess ss.	Pennsylv.	594- 606	595-99	Medium	Fair	Moderate	H ₂ O likely too saline, but fair potential for nat. gas.
Warner ss.	"	534- 547	536-42	Low-Med	Poor	Limited	Least appar. potential of 9 zones.
Bartlesville ss. (Bluejacket)	"	462- 482	462-68	Low-med	Fair	Moderate	Logging anomaly indicates oil pot- ential or possible very low salt.
Skinner ss.	"	440- 452	440-48	Low	Poor	Moderate	Resistivity indicates low salt.
Cattleman ss.	"	368- 388	368-71	Med	Fair	Limited	Best apparent gas kick on logs; suffers from very thin section.
Squirrel ss.	"	267- 293	268-78	Med-high	Poor	Limited	Sand is tight, sil ty, probable low permeability
Peru ss.	"	115- 125	115-120	Med	Poor	Limited (1-3 gpm)	Worth testing in another well be- cause of its low-cost access at this depth.

Note that at this time we are not recommending testing any zones other than the deepest. Analysis of that water (and checking natural gas potential) in the Simpson sandstone will supply more correlation information for more sound judgment later.

MICHAEL L. EBERS

Consultant Geologist

AAPG SEG

TELEPHONE 316-431-2542

1212 SOUTH RUTTER
CHANUTE, KANSAS 66720

January 15, 1982

Elms Hotel #1
Excelsior Springs, MO
Section 12, T52N, R30W
Clay County, Missouri

Operator: Reese Exploration Company, Inc.

Drilling Contractor: McGown Drilling Co., Mound City, Kansas

Surface Casing:

Elevation: 770'

Date Started: 12-28-81

Date Finished: 1-5-82

Samples Examined By: Michael L. Ebers

SAMPLE EXAMINATION

<u>Depth</u>	<u>Description</u>	<u>Fluorescence</u>
100-110	Limestone, tan, fine crystalline, micrite, few fossils	
110-120	Sandstone, light greenish gray, fine grained, poorly sorted, very silty, micaceous, tight	---
120-130	Siltstone, light gray, micaceous & shaley	
130-145	Limestone, cream, fine crystalline, few fossils, trace porosity	
145-150	Shale, gray	
150-155	Shale, black	
155-170	Limestone, tan, fine crystalline, silty and sandy, pyritic	
170-190	Shale, gray & maroon, clayish, soft	
190-200	Limestone, light gray, fine crystalline & some siltstone, light gray	

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Elms Hotel #1
12-52-30

SAMPLE EXAMINATION

<u>Depth</u>	<u>Description</u>	<u>Fluorescence</u>
200-220	Sandstone, light gray, fine grained, poorly sorted & silty, calcareous	
220-230	Limestone, medium gray & tan, medium crystalline	
230-240	Sandstone, light gray, fine grained, poor to fair sorting, silty, poor porosity	---
240-260	Siltstone, light gray, sandy and micaceous	
<u>TOP OF PERU SAND AT 260'</u>		
260-270	Sandstone, light gray, fine grained, silty and micaceous, poorly sorted, very poor porosity	
270-280	Siltstone & sandstone, thinly laminated, light gray, micaceous	
280-290	Shale, light gray, slightly silty	
<u>TOP OF FT. SCOTT LIMESTONE AT 290'</u>		
290-298	Limestone, tan & light brown, fine crystalline, trace glauconite	
298-305	Shale, black, carbonaceous & coal, vitreous	
305-312	Limestone, tan, fine crystalline	
312-335	Shale, light gray, silty & sandy	
335-350	Shale, light gray, silty & limestone, tan, fine crystalline	
350-360	Shale, gray, clayish	
360-380	No samples	
380-410	Siltstone, light gray	
410-420	Siltstone, light gray & sandstone, light gray, very fine grained, fair sorting, good porosity	---
420-430	Siltstone & silty sandstone, light gray, very poor porosity	
<u>TOP OF SKINNER SAND ZONE AT 430'</u>		

Elms Hotel #1
12-52-30

SAMPLE EXAMINATION

<u>Depth</u>	<u>Description</u>	<u>Fluorescence</u>
430-445	Sandstone, light gray, medium grained, subrounded, frosted, fairly well sorted, fair to good porosity	---
445-450	Shale, gray & siltstone, light gray, thinly laminated	
<u>TOP OF CATTLEMAN SAND AT 450'</u>		
450-460	Sandstone, light gray, silty & silty & siltstone, light gray. shaley, poor porosity, 5% good porosity	
460-480	Sandstone, light gray, fine grained, well sorted, good porosity & 50% siltstone, light gray	
480-500	Siltstone & shale, light gray to gray and 35% sandstone, silty, fair to good porosity	
500-510	As above with some limestone	
510-520	Siltstone, light gray & limestone, tan, fine crystalline	
520-530	Siltstone, gray, shaley and sandy	
<u>TOP OF BARTLESVILLE SAND AT 530'</u>		
530-550	Sandstone, light gray, fine grained, very well sorted, excellent porosity, & 35% silty shale & silty sandstone	
550-570	Shale, dark gray & light gray, clayish	
570-595	Shale, black, fissile, carbonaceous, pyritic	
<u>TOP OF BURGESS SAND AT 595'</u>		
595-615	Sandstone, light gray, fine grained, fairly well sorted, good porosity, & 25% shale, gray (fallin)	
<u>TOP OF MISSISSIPPIAN AT 615'</u>		
615-630	Limestone, tan, fine crystalline, micrite, <1% porosity	---
630-660	Limestone, tan, medium crystalline, pelletal, no chert	

Elms Hotel #1
12-52-30

SAMPLE EXAMINATION

<u>Depth</u>	<u>Description</u>	<u>Fluorescence</u>
660-680	Limestone, medium crystalline, tan, glauconitic, 5% light bluish-gray chert, pyritic	
680-720	Limestone, tan, medium-fine crystalline 10% chert, white, semiflinty, trace porosity	---
720-730	Shale, maroon & lightgreen (contaminated sample?)	(yes)
730-820	Limestone, tan, medium crystalline, & 25% chert, white	
820-870	Limestone, tan, fine crystalline, + 50% dolomite, fine crystalline with 10% intercrystalline porosity, & 15% chert, white, semiflinty	---
870-950	Limestone, light brown, dolomitic fine crystalline, poor 1-2% porosity, & 15% chert, white	
950-1100	Limestone, light brown, fine crystalline, micrite, tight & 20% chert, white	
1100-1120	No samples	
<u>TOP OF VIOLA LIMESTONE AT 1120'</u>		
1120-1235	Limestone, tan, fine crystalline, 35% bluish gray chert, flinty, mottled glassy; scattered pyrite	
<u>TOP OF ST. PETER SANDSTONE AT 1235'</u>		
1235-1305	Sandstone, light gray, well rounded, well sorted, (sample consists of individual sand grains)--very fine cuttings	
<u>TOP OF ARBUCKLE AT 1305'</u>		
1305-1360	Sandstone as above plus dolomite, tan, fine crystalline (very fine cuttings) + 15% chert, white	
T.D. AT 1360'		

Respectively submitted,

Michael L. Ebers

Michael L. Ebers
Consultant Geologist

MLE/wlw